

## Description

The SingleSense® Model SG320 is a single-use gamma irradiated pH sensor and bellows insertion assembly equipped with an AseptiQuik® connector for aseptic attachment to a bioprocess container (BPC). The entire SG320 assembly is assembled and double bagged in an ISO 7 cleanroom and then gamma irradiated. This enables users to quickly connect the pH sensor assembly to the BPC and aseptically insert the sensor into the media. This saves operator time and reduces risk.

**CALIBRATED, IRRADIATED, READY-TO-USE**

Model	SG320
Part number	See part number tables on the right for options and their full part numbers

## Sensor Specifications

Measurement Principle	Potentiometric
Output Signal	Analog
Measurement Range	2 - 11 pH
Operating Temperature	4°C - 50°C [39°F - 122°F]
Shelf Life	12 months
Gamma Irradiated	25 - 40 kGy
Process Connection	AseptiQuik® connector
Sensor Connector	V6, S8, or K9 connector options available
Temperature Sensor	Available with Pt 100 or Pt 1000

## Wetted Materials

pH Glass Electrode	Lead-free glass
Ceramic Junction	Alumina silicate
Insertion Assembly	Dimethyl silicone rubber Pt cure, USP class VI, ADI free
O-ring Seal, Sensor to Assembly	Dimethyl silicone rubber Pt cure, USP class VI, ADI free
AseptiQuik® Connector	Polycarbonate, dimethyl silicone rubber Pt cure, USP class VI, ADI free

## Regulatory Compliance

USP Class VI	Yes, all wetted parts
REACH Compliant	Yes
RoHS Compliant	Yes
BSE/TSE/ADI Free	Yes

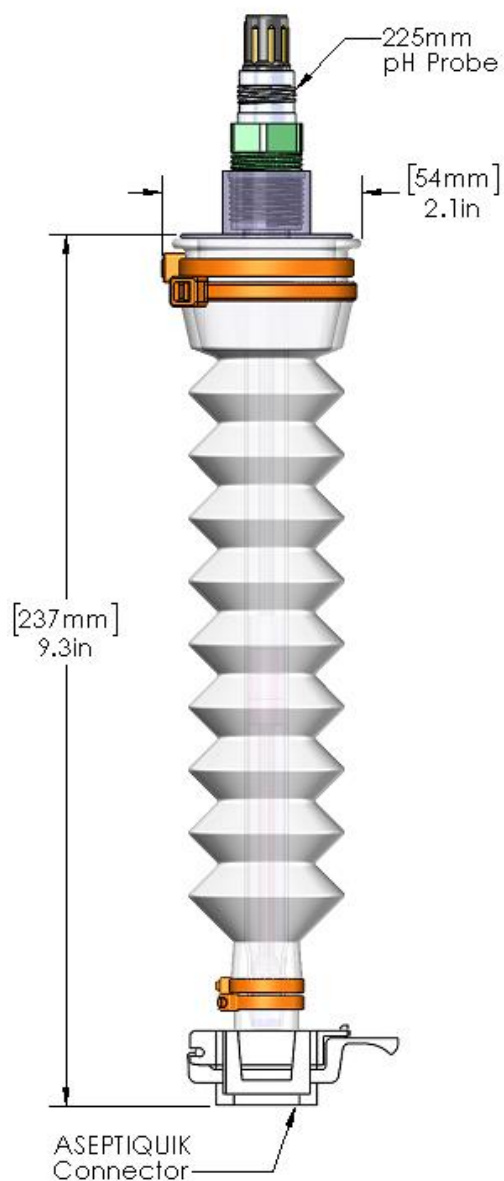


Model SG320-NA-V6 Single-Use pH Sensor Assembly with AseptiQuik® connector.

### Part Number Table

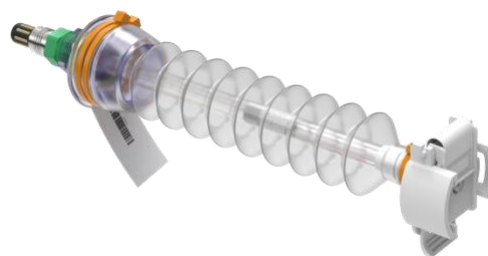
Model SG320 with AseptiQuik® connector		
Part number	RTD	Sensor Connector
SG320-NA-V6	None	V6
SG320-NA-S8	None	S8
SG320-NA-K9	None	K9
SG320-1K-V6	Pt 1000	V6
SG320-01-V6	Pt 100	V6

## Dimensional Drawing (SG320-NA-V6)

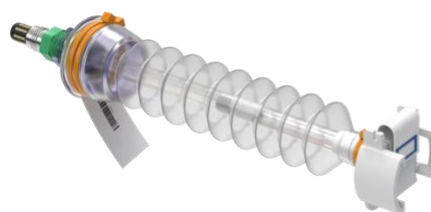


## Saves Time, Reduces Risk

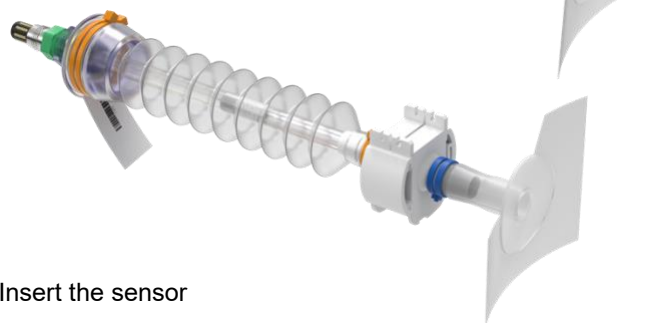
Gamma irradiated and ready to use right out of the bag



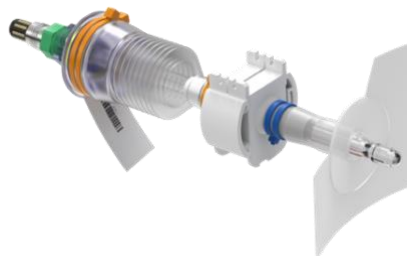
### 1 Prep connectors



### 2 Connect



### 3 Insert the sensor



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North America and Pacific

Email: [sales@broadleyjames.com](mailto:sales@broadleyjames.com)  
Web: [www.broadleyjames.com](http://www.broadleyjames.com)

Phone: +1-949-829-5555  
Fax: 1-949-829-5560

19 Thomas, Irvine, CA, 92618 USA

United Kingdom and EU Countries

Email: [sales@broadleyjames.co.uk](mailto:sales@broadleyjames.co.uk)

Phone: +44 (0)1525 862518

Wrest Park, Silsoe, Bedford MK45 4HS, UK